


CLAIMS

What is claimed is:

- 1  1. A method for real time network communication, comprising:
2 forming a real time communications protocol connection over a network
3 communications connection;
4 embedding a markup language instruction in a message; and
5 sending the message on the real time communications protocol connection.
- 1 2. The method of Claim 1 wherein the embedding comprises embedding a markup
2 language instruction in the message, the markup language instruction being a hyperlink
3 instruction.
- 1 3. The method of Claim 1 wherein:
2 the forming comprises forming a real time continuously open bi-directional
3 communications protocol connection; and
4 the sending comprises sending the message on the real time continuously open bi-
5 directional communications protocol connection.
- 1 4. The method of Claim 1 wherein:
2 the forming comprises forming a real time chat communications protocol connection;
3 and
4 the sending comprises sending the message on the real time chat communications
5 protocol connection.

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1 5. A method for real time network communication, comprising:
2 forming a real time communications protocol connection over a network
3 communications connection;
4 receiving a first message on the real time communications protocol connection, the
5 first message including a hyperlink instruction;
6 parsing the first message to identify the hyperlink instruction included therein; and
7 displaying the first message in accordance with the hyperlink instruction included
8 therein.

1 6. The method of Claim 5 and comprising:
2 embedding a hyperlink instruction in a second message; and
3 sending the second message on the real time communications protocol connection.

1 7. The method of Claim 5 wherein the receiving comprises receiving the first
2 message on the real time communication protocol connection, the hyperlink instruction
3 being associated with a document address,
4 and comprising:
5 passing the document address to a document acquisition apparatus.

1 8. The method of Claim 5 wherein:
2 the forming comprises forming a real time chat communications protocol connection;
3 and
4 the receiving comprises receiving the first message on the real time chat
5 communications protocol connection.

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- 1 9. The method of Claim 5 wherein:
- 2 the forming comprises forming a real time continuously open bi-directional
- 3 communications protocol connection; and
- 4 the receiving comprises receiving the first message on the real time continuously
- 5 open bi-directional communications protocol connection.

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1 10. A method for real-time network communication, wherein the network includes
2 TCP/IP connections formed between a plurality of clients and a host, and respective real
3 time communications protocol connections formed over the TCP/IP connections, the method
4 comprising:

5 receiving a message including a hyperlink language instruction from the host through
6 at least one of the real time communications protocol connections;
7 parsing the message in the client sent the message by the host; and
8 displaying the message in the client sent the message by the host in accordance with
9 the hyperlink language instruction included therein.

1 11. The method of Claim 10 wherein the receiving comprises receiving the message
2 including the hyperlink language instruction, the hyperlink language instruction being
3 associated with a document address,

4 and comprising:

5 passing the document address to a document acquisition apparatus.

1 12. The method of Claim 10 wherein the real time communications protocol
2 connections are real time chat communications protocol connections, and wherein the
3 receiving comprises receiving the message from the host through at least one of the real time
4 chat communications protocol connections.

1 13. The method of Claim 10 wherein the real time communications protocol
2 connections are real time continuously open bi-directional communications protocol
3 connections, and wherein the receiving comprises receiving the message from the host
4 through at least one of the real time continuously open bi-directional communications
5 protocol connections.

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1 14. A method for real time network communication, comprising:
2 forming a real time communications protocol connection over a network
3 communications connection;
4 embedding a markup language instruction in a message; and
5 sending the message on the real time communications protocol connection.

1 15. The method of Claim 14 wherein the embedding comprises embedding the
2 markup language instruction, the markup language instruction being an html instruction.

1 16. The method of Claim 15 wherein the embedding comprises embedding the html
2 instruction, the html instruction being a hyperlink instruction.

1 17. The method of Claim 16 wherein the embedding comprises embedding the
2 hyperlink instruction, the hyperlink instruction being associated with a URL,
3 and comprising:
4 passing the URL to a Web browser.

1 18. The method of Claim 15 wherein the embedding comprises embedding the html
2 instruction, the html instruction being a bold tag.

1 19. The method of Claim 15 wherein the embedding comprises embedding the html
2 instruction, the html instruction being an italics tag.

1 20. The method of Claim 14 wherein:
2 the forming comprises forming a real time chat communications protocol connection;
3 and
4 the sending comprises sending the message on the real time chat communications
5 protocol connection.

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21. The method of Claim 14 wherein:
- the forming comprises forming a real time continuously open bi-directional communications protocol connection; and
- the sending comprises sending the message on the real time continuously open bi-directional communications protocol connection.

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1 22. A method for real time network communication, comprising:
2 forming a real time communications protocol connection over a network
3 communications connection;
4 receiving a first message on the real time communications protocol connection, the
5 first message including a markup language instruction;
6 parsing the first message to identify the markup language instruction included
7 therein; and
8 displaying the first message in accordance with the markup language instruction
9 included therein.

1 23. The method of Claim 22 wherein the receiving comprises receiving the first
2 message, the markup language instruction being a hyperlink instruction.

1 24. The method of Claim 23 wherein the receiving comprises receiving the first
2 message, the hyperlink instruction being associated with a URL;
3 and comprising:
4 passing the URL to a Web browser.

1 25. The method of Claim 22 wherein the receiving comprises receiving the first
2 message, the markup language instruction being a bold tag.

1 26. The method of Claim 22 wherein the receiving comprises receiving the first
2 message, the markup language instruction being an italics tag.

1 27. The method of Claim 22 wherein:
2 the forming comprises forming a real time chat communications protocol connection;
3 and
4 the receiving comprises receiving the first message on the real time chat
5 communications protocol connection.

28. The method of Claim 22 wherein:
- the forming comprises forming a real time continuously open bi-directional communications protocol connection; and
- the receiving comprises receiving the first message on the real time continuously open bi-directional communications protocol connection.

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1 29. A communication client, comprising:
2 a computer for:
3 forming a real time communications protocol connection over a network
4 communications connection;
5 embedding a markup language instruction in a message; and
6 sending the message on the real time communications protocol connection.

1 30. The communication client of Claim 29 wherein the markup language instruction
2 is a hyperlink instruction.

1 31. The communication client of Claim 29 wherein the real time communications
2 protocol connection is a real time chat communications protocol connection.

1 32. The communication client of Claim 29 wherein the real time communications
2 protocol connection is a real time continuously open bi-directional communications protocol
3 connection.

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1 33. A communication client, comprising:

2 a computer for:

3 forming a real time communications protocol connection over a

4 communications connection;

5 receiving a message on the real time communications protocol connection;

6 parsing the message to identify a markup language instruction included

7 therein; and

8 displaying the message in accordance with the markup language instruction

9 included therein.

1 34. The communication client of Claim 33 wherein the markup language instruction
2 is a hyperlink instruction.

1 35. The communication client of Claim 33, wherein the message is a first message,
2 wherein the markup language instruction is a first markup language instruction, and wherein
3 the computer is for:

4 sending a second message on the real time communications protocol connection; and

5 embedding a second markup language instruction in the second message.

1 36. The communication client of Claim 33 wherein the markup language instruction
2 is associated with a document address, and wherein the computer is for passing the
3 document address to a document acquisition apparatus.

1 37. The communication client of Claim 33 wherein the real time communications
2 protocol connection is a real time chat communications protocol connection.

1 38. The communication client of Claim 33 wherein the real time communications
2 protocol connection is a real time continuously open bi-directional communications protocol
3 connection.

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1 39. A communication server, comprising:

2 a computer for:

3 forming a real time communications protocol connection over a network
4 communications connection;

5 receiving a message on the real time communications protocol connection,
6 wherein the message includes a markup language instruction.

1 40. The communication server of Claim 39 wherein the markup language instruction
2 is a hyperlink instruction.

1 41. The communication server of Claim 39 wherein the computer is for:
2 receiving the message from a first communication client; and
3 sending the message on the real time communications protocol connection to a
4 second communication client.

1 42. The communication server of Claim 39, wherein the message is a first message,
2 wherein the markup language instruction is a first markup language instruction, and wherein
3 the computer is for receiving a second message on the real time communications protocol
4 connection, wherein the second message includes a second markup language instruction.

1 43. The communication server of Claim 39 wherein the markup language instruction
2 is associated with a document address, and wherein the computer is for passing the
3 document address to a document acquisition apparatus.

1 44. The communication server of Claim 39 wherein the real time communications
2 protocol connection is a real time chat communications protocol connection.

1 45. The communication server of Claim 39 wherein the real time communications
2 protocol connection is a real time continuously open bi-directional communications protocol
3 connection.

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1 46. A computer program product, comprising:
2 a computer application processable by a computer for causing the computer to:
3 form a real time communications protocol connection over a network
4 communications connection;
5 embed a markup language instruction in a message; and
6 send the message on the real time communications protocol connection; and
7 apparatus from which the computer application is accessible by the computer.

1 47. The computer program product of Claim 46 wherein the markup language
2 instruction is a hyperlink instruction.

1 48. The computer program product of Claim 46 wherein the real time
2 communications protocol connection is a real time chat communications protocol connection

1 49. The computer program product of Claim 46 wherein the real time
2 communications protocol connection is a real time continuously open bi-directional
3 communications protocol connection.

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1 50. A computer program product, comprising:
2 a computer application processable by a computer for causing the computer to:
3 form a real time communications protocol connection over a network
4 communications connection;
5 receive a first message on the real time communications protocol connection,
6 the first message including a markup language instruction;
7 parse the first message to identify the markup language instruction included
8 therein; and
9 display the first message in accordance with the markup language instruction
10 included therein; and
11 apparatus from which the computer application is accessible by the computer.

1 51. The computer program product of Claim 50 wherein the markup language
2 instruction is a hyperlink instruction.

1 52. The computer program product of Claim 50 wherein the computer application is
2 processable by the computer for causing the computer to:
3 embed a markup language instruction in a second message; and
4 send the second message on the real time communications protocol connection.

1 53. The computer program product of Claim 50 wherein the markup language
2 instruction is associated with a document address, and wherein the computer application is
3 processable by the computer for causing the computer to pass the document address to a
4 document acquisition apparatus.

1 54. The computer program product of Claim 50 wherein the real time
2 communications protocol connection is a real time chat communications protocol
3 connection.

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- 1 55. The computer program product of Claim 50 wherein the real time
2 communications protocol connection is a real time continuously open bi-directional
3 communications protocol connection.

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1 56. A computer program product, comprising:
2 a computer application processable by a computer for causing the computer to:
3 form a real time communications protocol connection over a network
4 communications connection;
5 embed a markup language instruction in a message; and
6 send the message on the real time communications protocol connection; and
7 apparatus from which the computer application is accessible by the computer.

1 57. The computer program product of Claim 56 wherein the markup language
2 instruction is an html instruction.

1 58. The computer program product of Claim 57 wherein the html instruction is a
2 hyperlink instruction.

1 59. The computer program product of Claim 58 wherein the hyperlink instruction is
2 associated with a URL, and wherein the computer application is processable by the
3 computer for causing the computer to pass the URL to a Web browser.

1 60. The computer program product of Claim 57 wherein the html instruction is a
2 bold tag.

1 61. The computer program product of Claim 57 wherein the html instruction is an
2 italics tag.

1 62. The computer program product of Claim 56 wherein the real time
2 communications protocol connection is a real time chat communications protocol
3 connection.

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- 1 63. The computer program product of Claim 56 wherein the real time
 - 2 communications protocol connection is a real time continuously open bi-directional
 - 3 communications protocol connection.

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1 64. A computer program product, comprising:
2 a computer application processable by a computer for causing the computer to:
3 form a real time communications protocol connection over a network
4 communications connection;
5 receive a first message on the real time communications protocol connection,
6 the first message including a markup language instruction;
7 parse the first message to identify the markup language instruction included
8 therein; and
9 display the first message in accordance with the markup language instruction
10 included therein; and
11 apparatus from which the computer application is accessible by the computer.

1 65. The computer program product of Claim 64 wherein the markup language
2 instruction is a hyperlink instruction.

1 66. The computer program product of Claim 65 wherein the hyperlink instruction is
2 associated with a URL, and wherein the computer application is processable by the
3 computer for causing the computer to pass the URL to a Web browser.

1 67. The computer program product of Claim 64 wherein the markup language
2 instruction is a bold tag.

1 68. The computer program product of Claim 64 wherein the markup language
2 instruction is an italics tag.

1 69. The computer program product of Claim 64 wherein the real time
2 communications protocol connection is a real time chat communications protocol
3 connection.

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- 1 70. The computer program product of Claim 64 wherein the real time
 - 2 communications protocol connection is a real time continuously open bi-directional
 - 3 communications protocol connection.

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